

# PRIMARY SCHOOLS FINAL EXAMINATIONS 2000

Educational Assessment Unit – Education Division

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**YEAR 6**

**MATHEMATICS**

**TIME: 1 hour 30 min**

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Name : \_\_\_\_\_

Class : \_\_\_\_\_

1) 
$$\begin{array}{r} 652 \\ 234 \\ + 41 \\ \hline \\ \hline \end{array}$$

(2) 
$$\begin{array}{r} 765 \\ - 432 \\ \hline \\ \hline \end{array}$$

(3) 
$$\begin{array}{r} 964 \\ - 297 \\ \hline \square \\ \hline \end{array}$$

(4) 
$$\begin{array}{r} 103 \\ \times 5 \\ \hline \square \\ \hline \end{array}$$

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5) 
$$\begin{array}{r} \text{Lm } 10 \cdot 50 \\ - \text{Lm } 7 \cdot 75 \\ \hline \\ \hline \end{array}$$

(6) 
$$8 \overline{) 8 \cdot 24 \text{ m}}$$

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7) How many **250g** weights will balance:

a) 750g? \_\_\_\_\_ (b)  $\frac{1}{2}$  kg? \_\_\_\_\_ (c)  $1\frac{1}{4}$  kg? \_\_\_\_\_

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8) **Complete**

a)  $\frac{1}{2} = \frac{\square}{8}$

(b)  $75\% = \frac{\square}{4}$

(c)  $0 \cdot 4 = \frac{\square}{5}$

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9) **Fill in** the missing numbers.

a)  $72 \div \square = 9$

(b)  $\square \times 6 = 42$

c)  $21 \times 5 = (20 \times 5) + \square$

(d)  $225 \div 15 = (225 \div 5) \div \square$

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10) Look at the following numbers.

<b>1793</b>	<b>635</b>	<b>198</b>	<b>1759</b>
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- a) Write down the **even** number. \_\_\_\_\_
- b) **Multiply** the even number by **9**. \_\_\_\_\_
- c) Which one of the **odd** numbers is **nearest** to your answer in (b)? \_\_\_\_\_
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11) Find the **missing digits** in these sums.

a) 
$$\begin{array}{r} 3 \square 5 7 \\ + 2 9 \square 8 \\ \hline 6 5 8 5 \end{array}$$

(b) How many times can you subtract 23 from 299?

$$\begin{array}{r} 2 9 9 \\ - 2 3 0 \\ \hline 6 9 \\ - 6 9 \\ \hline 0 \end{array}$$

- 23 x   
- 23 x 3

Answer :  times

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12) Using **all** four figures **0, 2, 3, 4 once** in each of the following, write **in the grid**:

- a number between:
- a) 23 and 24
  - b) 34 and 35
  - c) 2 and 3
  - d) 20 and 30

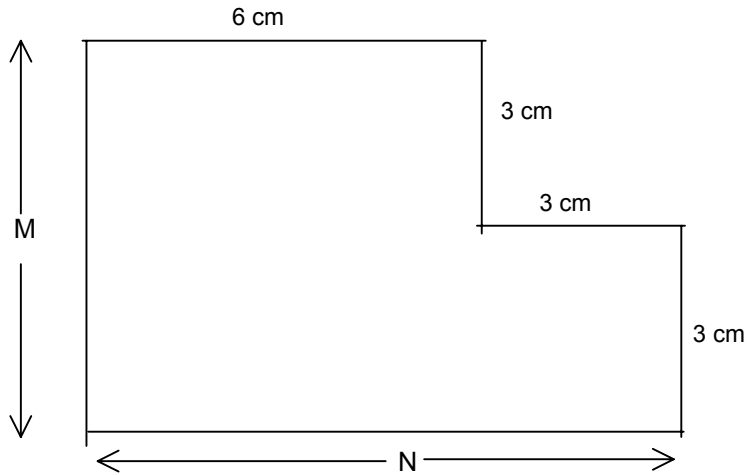
	Tens	Units	.	tenths	hundredths
a)			.		
b)			.		
c)			.		
d)			.		

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13) a) \_\_\_\_\_

Use your **ruler** to measure in **whole centimetres** the **length** of the rod above. \_\_\_\_\_ cm

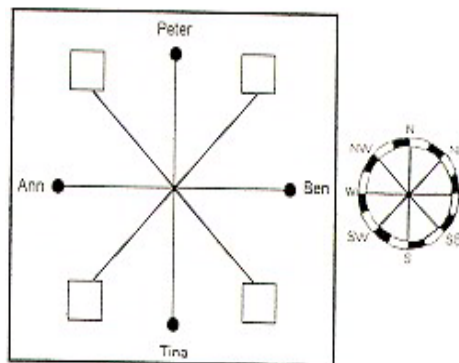
- b) Use the diagram to find : i) the **length** of side **M**. \_\_\_\_\_ cm  
 ii) the **length** of side **N**. \_\_\_\_\_ cm  
 iii) the **perimeter** of the **shape**. \_\_\_\_\_ cm



- c) **How many** rods are needed to go **once** round the **perimeter** of the shape? \_\_\_\_\_ rods

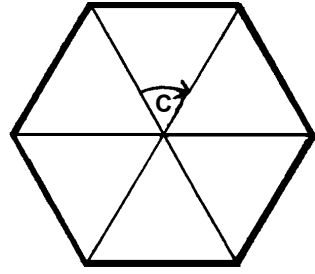
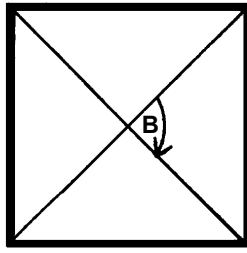
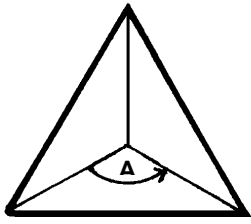
14) The diagram shows where 4 children are standing during a game.

- a) i) In what direction is Ann **from** Ben? \_\_\_\_\_  
 ii) In what direction **from** Ben is Peter? \_\_\_\_\_



- b) Peter faces **North**. He then makes **Mark** with a **P** in one of the small squares where Peter is facing **after this turn**.
- c) Ann faces **West**. She then makes an **anticlockwise** turn of **2½ right angles**. **Mark** with an **A** in one of the small squares where Ann is facing **after this turn**.

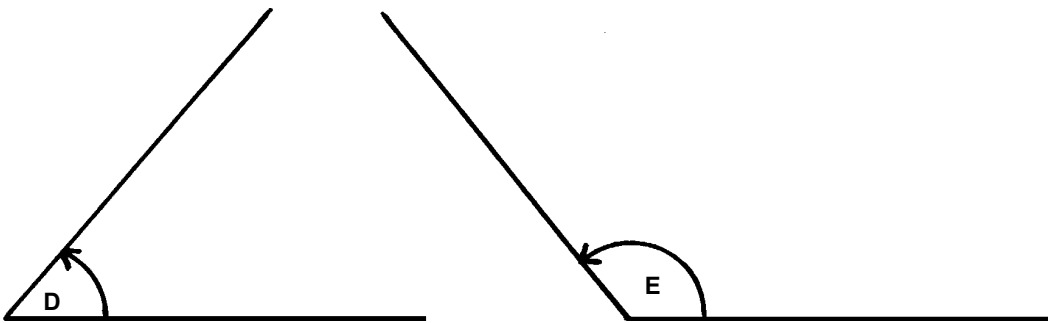
15) **Each** one of these **shapes** is divided into **equal parts**.



a) Find, in degrees, the **marked angle** in each shape.

Angle A = \_\_\_\_\_°      Angle B = \_\_\_\_\_°      Angle C = \_\_\_\_\_°

b) i) Which angle is **acute**, D or E? \_\_\_\_\_



ii) Use your **protractor** to measure angle D and angle E.

Angle D = \_\_\_\_\_°      Angle E = \_\_\_\_\_°

16) A rectangular pond 5 metres long and 3 metres wide, has a path 2 metres wide all around it.

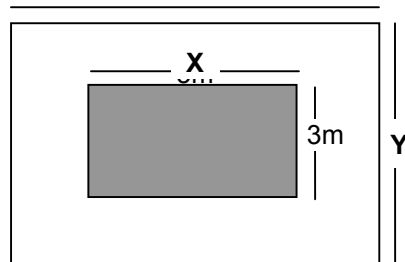
With the help of the diagram work out:

a) the **area** of the **pond**. \_\_\_\_\_ m<sup>2</sup>

b) i) the **length** of side **X**. \_\_\_\_\_ m

ii) the **length** of side **Y**. \_\_\_\_\_ m

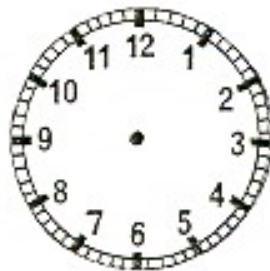
c) the **area** of the path. \_\_\_\_\_ m<sup>2</sup>



17) These are the opening hours of a School Library.

<p><b>Wednesday</b>  <b>08:30 – 13:00</b>  <b>17:30 – 19:00</b></p> <p><b>Friday</b>  <b>17:30 – 19:00</b></p> <p><b>Saturday</b>  <b>10:00 – 12:30</b></p>
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- a) On **Friday** the library is open for \_\_\_\_\_ **hours**.
- b) The library is open for a **total** of \_\_\_\_\_ **hours on these three days**.
- c) Last **Wednesday evening** I arrived at the library 45 minutes **before** it closed.
- i) At what **time** did I **arrive**? \_\_\_\_:\_\_\_\_
- ii) **Show this time** on the **clock face** by drawing the hands.



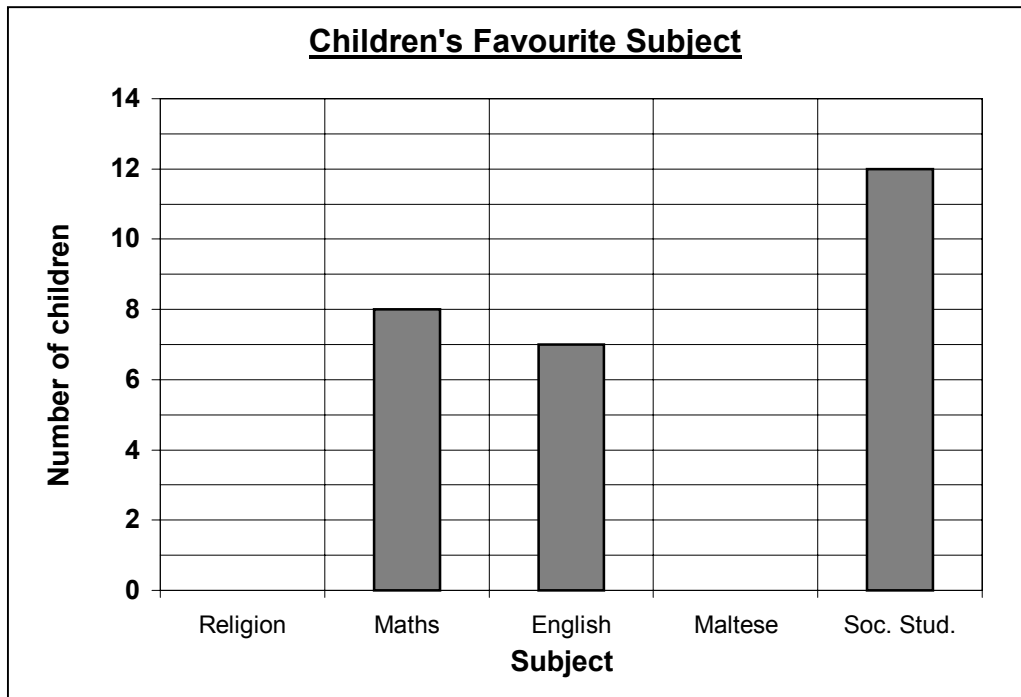
18) I have 120 stamps in my album.  $\frac{1}{4}$  of the stamps are **Italian**,  $\frac{9}{20}$  are **English** and the **rest** are **Maltese**.

<b>Italian</b>	<b>English</b>	<b>Maltese</b>
$\frac{1}{4}$	$\frac{9}{20}$	

- a) What **fraction** of the stamps are **Maltese**?  $\frac{\square}{\square}$
- b) How many **Italian** stamps do I have? \_\_\_\_\_ stamps
- c) What **percentage** of the stamps are **English**? \_\_\_\_\_%

19) The **table** and the **graph** show the **favourite subjects** of a number of children.

Subject	Religion	Maths	English	Maltese	Soc. Stud.
Number of children	9	8		10	



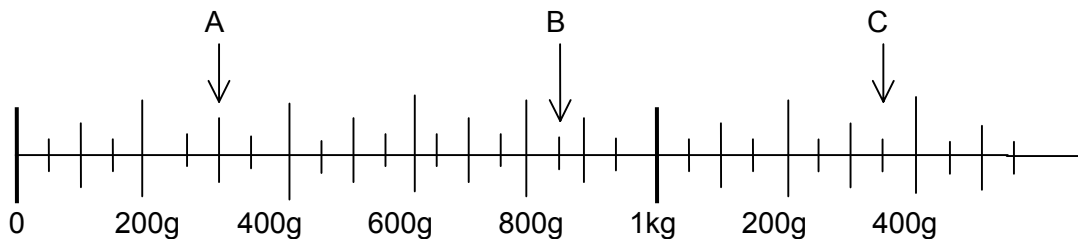
a) **Complete:** i) the **table** by using the graph.

ii) the **graph** by using the table.

b) i) The **best liked** subject is \_\_\_\_\_.

ii) The **total** number of children is \_\_\_\_\_.

20) The picture shows the **scale** of a **weighing machine**. It also shows **3** different positions of the pointer.



a) Write down the **weight** shown by the pointer at:

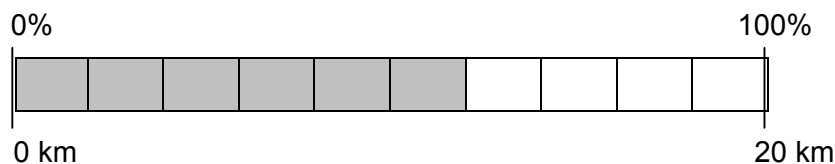
**A** = \_\_\_\_\_g                      **B** = \_\_\_\_\_g                      **C** = \_\_\_kg\_\_\_\_\_g

b) A box contains 24 tins of milk powder of **equal** weight. The **box** and the **tins together** weigh 7kg 400g. The weight of the **empty box** is 200g.

What is the weight of: i) the **24 tins**? \_\_\_kg \_\_\_\_\_g  
 ii) **one tin**? \_\_\_\_\_g

21) A group of children are on a hike **20 kilometres** long.

The **diagram** shows the **whole trip** divided into **equal parts**.



a) i) **One part** shows a distance of \_\_\_\_\_ kilometres.

ii) **One part** is \_\_\_\_\_% of the whole trip.

b) The **6 shaded parts** show the **distance they have walked** so far.

i) This distance is \_\_\_\_\_ kilometres.

ii) What **percentage** is this? \_\_\_\_\_%

c) To cover  $\frac{3}{4}$  of the whole distance they **still** have to walk **another** \_\_\_\_\_ kilometres.

22) Jack and Jill spent the **same amount** of money.

Jack bought **3 pencils** and **5 labels**. 

Jill bought **2 pencils** and **7 labels**. 

Each label cost 4c.

a) i) Jack spent \_\_\_\_c on labels.

ii) Jill spent \_\_\_\_c on labels.

b) What was the cost of **a pencil**? \_\_\_\_c

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Mark Scheme Numbers 1- 8 = 3 marks x 8 = 24 marks

Numbers 9-12 = 4 marks x 4 = 16 marks

Numbers 13-22 = 6 marks x 10 = 60 marks

Total = 100 marks